

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082324\  
 Data File : VY019250.D  
 Acq On : 23 Aug 2024 12:15  
 Operator : SY/MD  
 Sample : P3669-02  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20430

Quant Time: Aug 23 16:07:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 2971     | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.604  | 114  | 4366     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 3241     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 590      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 1384     | 46.471   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 92.940%  |
| 35) Dibromofluoromethane    | 7.622  | 113   | 1479     | 51.808   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.620% |
| 50) Toluene-d8              | 10.103 | 98    | 4754     | 46.275   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 92.560%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 866      | 24.728   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 49.460%  |

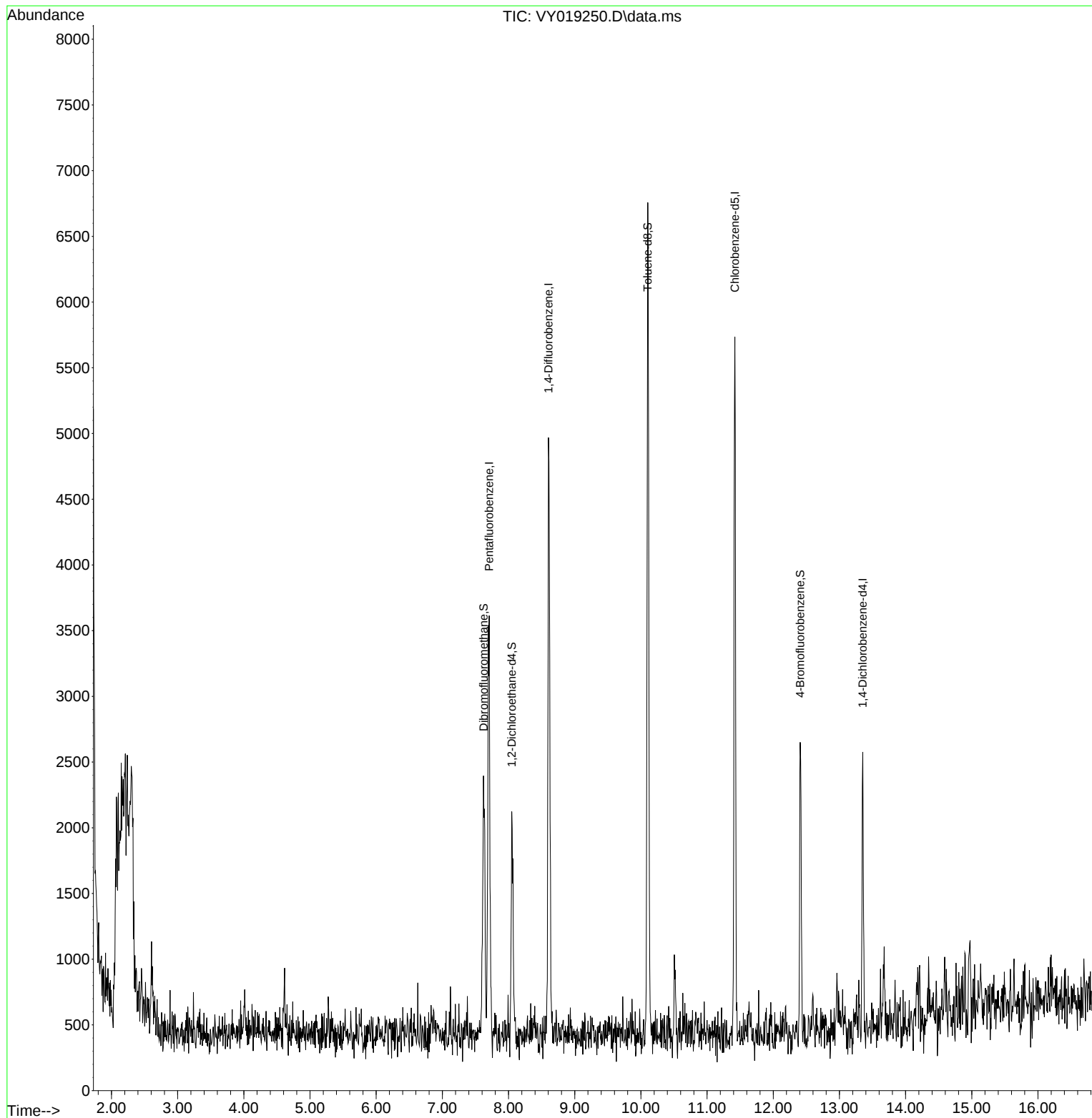
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

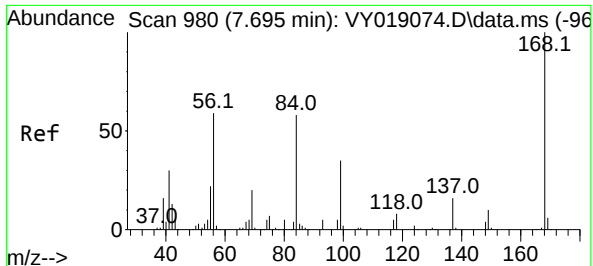
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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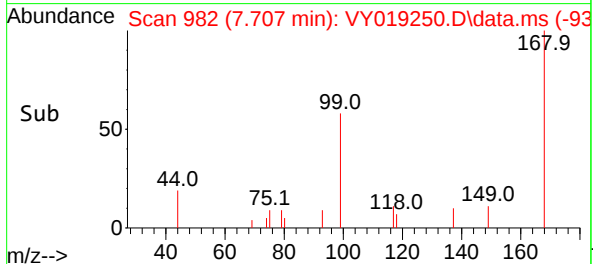
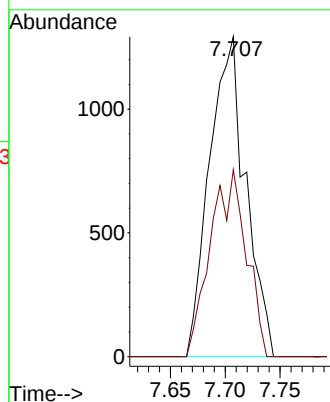
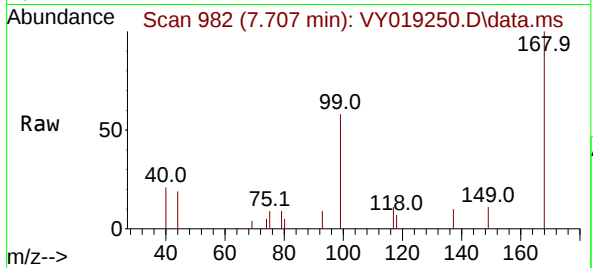




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

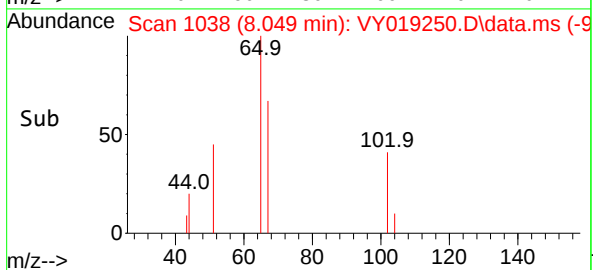
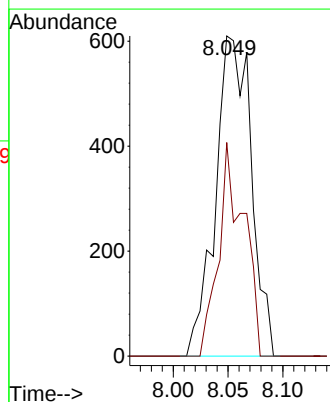
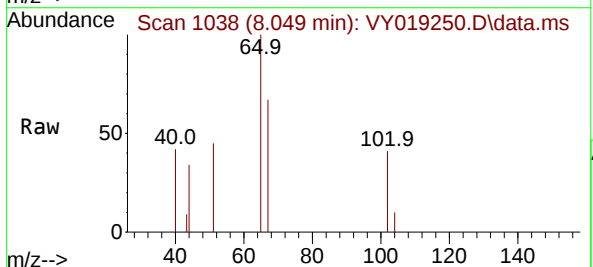
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20430

Tgt Ion:168 Resp: 2971  
Ion Ratio Lower Upper  
168 100  
99 58.4 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 46.471 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

Tgt Ion: 65 Resp: 1384  
Ion Ratio Lower Upper  
65 100  
67 46.9 0.0 109.6

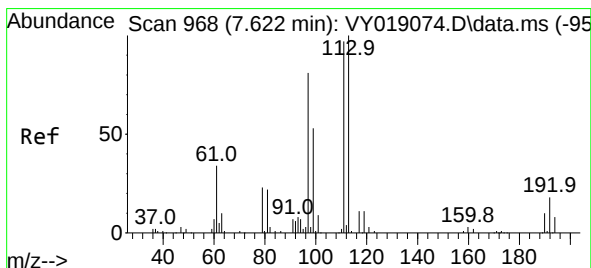
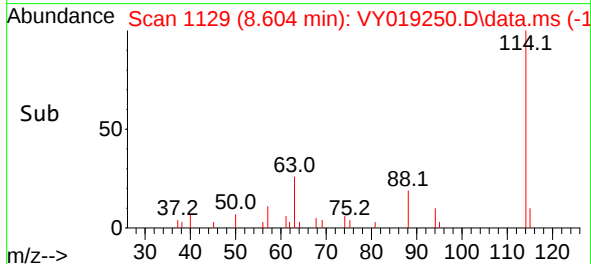
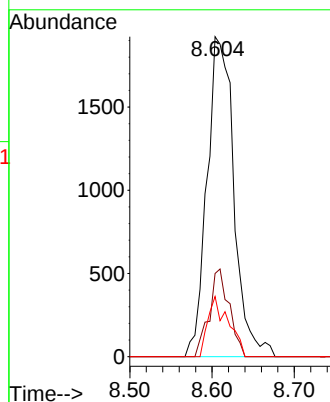
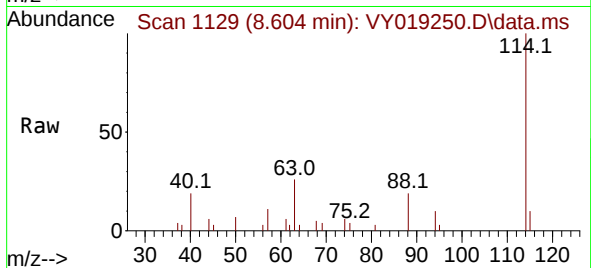




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.604 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

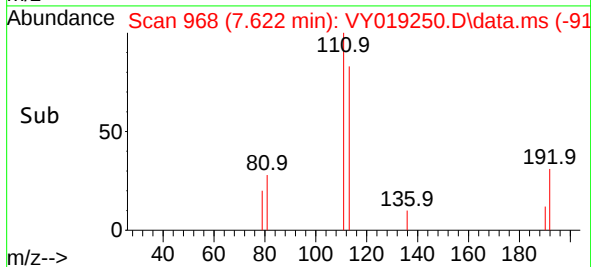
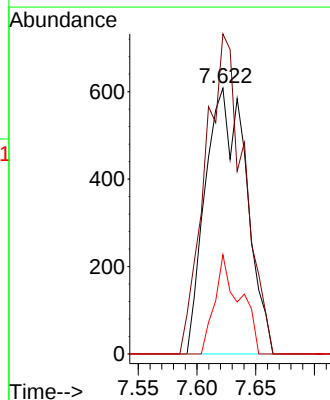
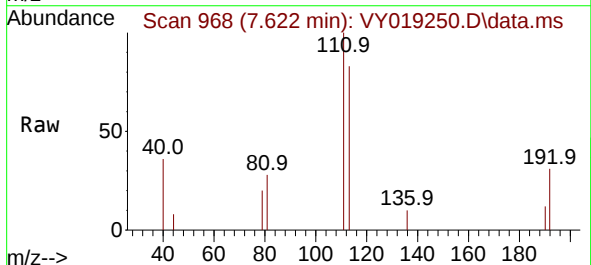
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20430

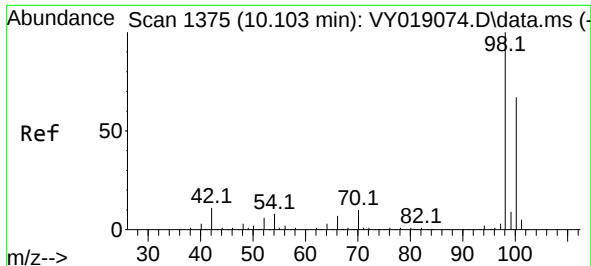
Tgt Ion:114 Resp: 4366  
Ion Ratio Lower Upper  
114 100  
63 26.0 0.0 35.0  
88 18.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 51.808 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

Tgt Ion:113 Resp: 1479  
Ion Ratio Lower Upper  
113 100  
111 113.1 82.2 123.4  
192 22.8 15.9 23.9





#50

Toluene-d8

Concen: 46.275 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019250.D

Acq: 23 Aug 2024 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

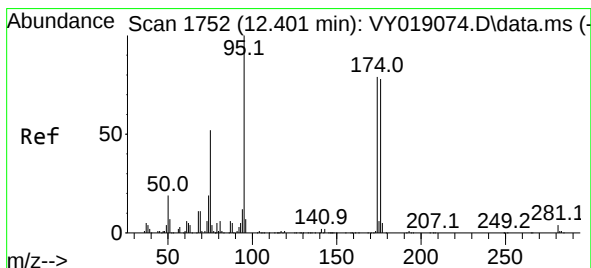
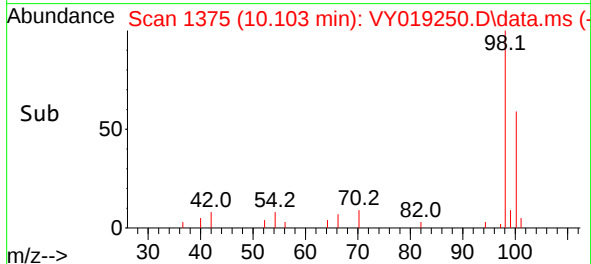
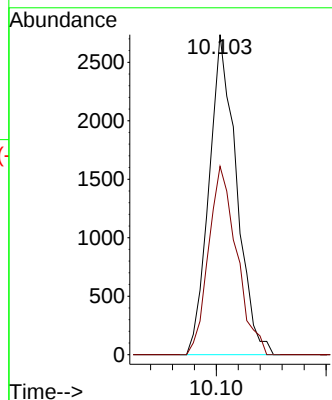
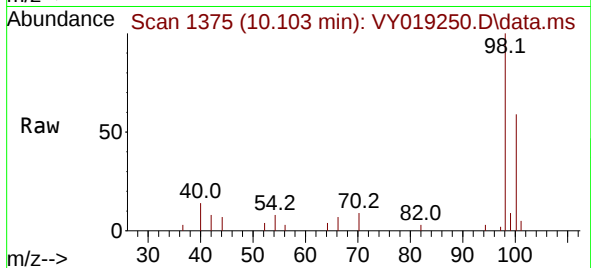
20430

Tgt Ion: 98 Resp: 4754

Ion Ratio Lower Upper

98 100

100 60.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 24.728 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019250.D

Acq: 23 Aug 2024 12:15

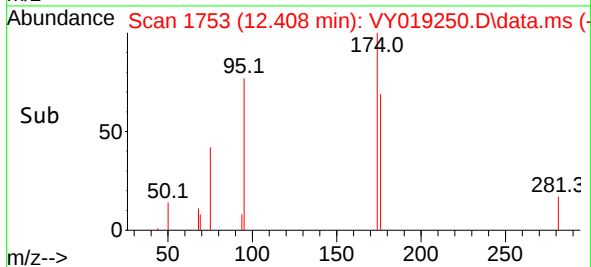
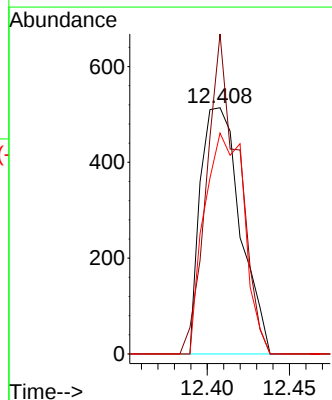
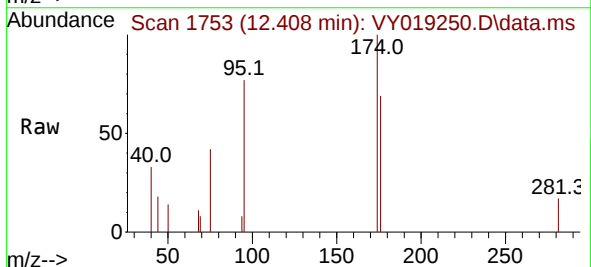
Tgt Ion: 95 Resp: 866

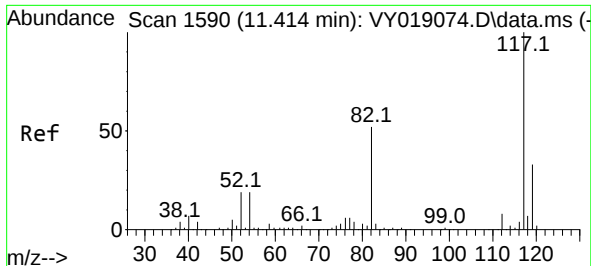
Ion Ratio Lower Upper

95 100

174 103.8 0.0 175.6

176 89.8 0.0 171.4

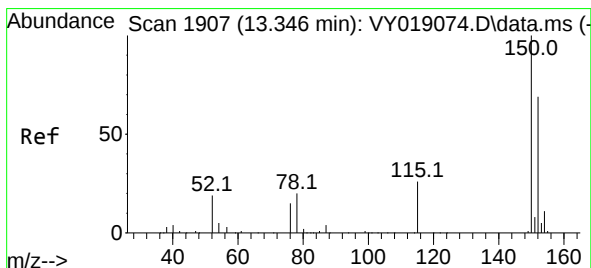
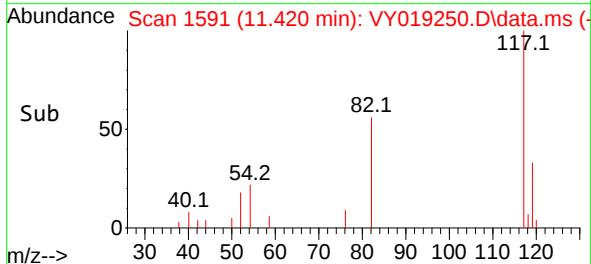
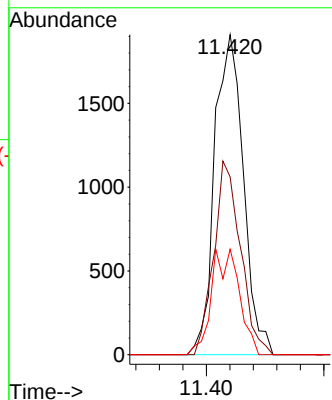
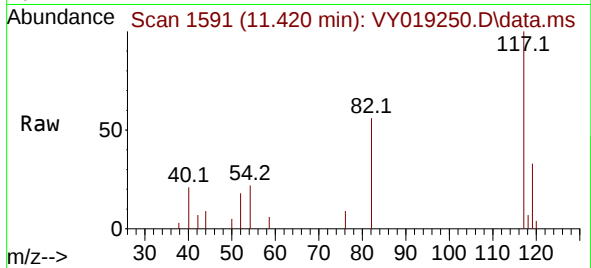




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20430

Tgt Ion:117 Resp: 3241  
Ion Ratio Lower Upper  
117 100  
82 55.5 42.4 63.6  
119 33.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY019250.D  
Acq: 23 Aug 2024 12:15

Tgt Ion:152 Resp: 590  
Ion Ratio Lower Upper  
152 100  
115 63.1 28.2 84.7  
150 190.3 0.0 345.6

